

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To:

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PCT

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing (day/month/year)	16 DECEMBER 2004 (16.12.2004)
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Applicant's or agent's file reference
PN0529PCT

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/KR2004/000727

International filing date (day/month/year)

30 MARCH 2004 (30.03.2004)

Priority date(day/month/year)

02 MARCH 2004 (02.03.2004)

International Patent Classification (IPC) or both national classification and IPC

IPC7 B01D 46/00

Applicant

CONET INDUSTRIES INC. et al

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/KR



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**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/KR2004/000727

Box No. 1 Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
☐ This opinion has been established on the basis of a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material
☐ a sequence listing
☐ table(s) related to the sequence listing
 - b. format of material
☐ in written format
☐ in computer readable form
 - c. time of filing/furnishing
☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/KR2004/000727

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-10	YES
	Claims		NO
Inventive step (IS)	Claims	1-10	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-10	YES
	Claims		NO

2. Citations and explanations :

Reference is made to the following document;

D1 = US 5,753,000

1. Claim 1 relates to an air purifier comprising a filter unit consisting of a cylindrical body, a non-woven fabric filter, and a cylindrical filter cartridge; an air inlet guide; an air supply unit; a top housing; and an electronic circuit board.
2. D1 discloses a portable air cleaner having a cylindrical filter element mounted on a circular base and encased by a cylindrical cover. A centrifugal fan mounted within the cover draws unpurified air into inlet openings disposed in the base and the side wall of the cover, and through the filter element. The resulting purified air is drawn into the centrifugal fan and forced radially outward therefrom.
3. Claim 1 of the present invention is similar to D1 in purifying air by having input air from a lower portion of the cylindrical body pass through a filter, and discharging purified air. However, claim 1 is different from D1 in the technical feature of a filter unit comprising a non-woven fabric filter and a cylindrical filter cartridge and in the entire shape, so that a person skilled in the art cannot easily arrive at the present claim with the teaching of D1.
4. Therefore, claim 1 meets the criteria set out in Article 33(2) and (3) PCT.
5. Claims 2-10 also comply with Article 33(2) and (3) PCT as they are dependent claims on claim 1.